

50 GTTCCTCTGCTGCTGCTGAATCTGTCTTGCCGGTATAATTGCCTACCGCCTAAG

QY	141	ACACCTCTTCAAAATGTCCTCGTGTAATACCTGCTAAAGACCTCTGTTCAGAACTG	200
Db	110	ATATCTCTTCAACGTGTCCCGATGGGTAATACCACTTAATGATGTCTGTTCAGAACTG	168
QY	201	TTCTCAGAGTACATTGTTCAGAGGGCCCTGGGAAATCCCCATATCTCAAGACAAATGTA	260
Db	170	TCCCTCAGGTACATTGTTCAGAGGGCCCTGGGAAATCCCCATATCTCAAGACAAATGTA	229
QY	261	GAAGTGCACCCAGAGCAATTCACAGAGAAAGATAATACCTGATGCTGTATCTTTG	320
Db	230	GAAGTGCACCCAGAGCAATTCACAGAGAAAGATAATGCTGTATGATGTGTAACCTTTG	289
QY	321	CTCCACCTGTATTAAGATCAAGAAATGTGGCCGACTGTCTCAGCCACAGTACCGGAA	380
Db	290	CTCCACCTGTATTAAGATCAAGAAATGTGGCGTGACTGTCTGCAACAGTACCGGAA	349
QY	381	ATGCAGTGCAGGAACAGTCTTTATCTATATGACCCAAATTTCCAGAAATCGTCCGCC	440
Db	350	ATGCAGTGCAGGAATAGGTCTTTACTATATGACCCAAATTTCCGGAATCATGCGGCC	409
QY	441	ATGTACCAAGTGTCCCAAGAGAAATCCCTGTCTCCAGAAATGCAACTCACAAGCTTAAAC	500
Db	410	ATGTACCAAGTGTCCCAAGAGAAATCCCTGTCTCCAGAAATGCAACTCACAAGCTTAAAC	469
QY	501	TGTGTGAGTTCATCTGTGTTCAATCCAGAAAACGGCTGTGCTTACTGTATATCACTTT	560
Db	470	TGTGTGAGTTCATCTGTGTTCAAAATCCAGAAAACGGCTGTGCTTACTGTATATCACTTT	520
QY	561	GAGTGTGCTAATGTGTCCGCTGTGTCTTCCGCTATCATTAAGAAATTAAGGTCTACAG	620
Db	521	-----GCTAATGTCTTCTGTATCTGAAGAGATTAAGGTCTACAG	562
QY	621	ATGTTTCT-TAGCTTCTTTATTTGCTATGAAGTATCATATGAGGCACTCTTTAT	679
Db	563	ATGTTTCTGTAGCTTCTTTATTTGCTGTAAAGAAACATGAGGCACTCTT-----	617
QY	680	TTTATTTATTTTATTTTATTTTATATGTCTGAATCTGATTGTAAGCCAGCTGGCT	739
Db	618	----TTCAATTTATTTTATTTTATTTTATGTCTGAATCTGATTGTAAGCCAGCTGGACT	673
QY	740	CAAAATCACAGAGTCCAGACTTAAGCAACTTAATAAGGAAACATTTAATTGGACGTG	799
Db	674	CAAACTCACAGAGTCCGAGACTTAAGCAACTCTTAATAAGGAAACATTTAATTGGACGTG	723
QY	800	GCTTACAGTTTCGACGTTTGTGCATGATTTATCATATGTTGGAGGATGGCACACTTA	859
Db	724	GCTTACAGTTTCAGAGTTGTGTCTCAATTTATCATATGTTGGAGGATGGCACAGGAG	793
QY	860	GCAGACATGATGTTGGAGAGAGAGCTGAGATTTCTGATCTTGATCTGCAAGCATTA	919
Db	794	GCAGACATGATGTTGGAGAGAGAGCTGAGATTTCTGATCTTGATCTGCAAGCATTA	853
QY	920	GAGACTGTGTGCCACTATACACAGCTTGAAATATAGAGAGACTCAAAAGCTGTCCCA	979
Db	854	GGAATCTGTGTGCCACTATACATATGCTTGAAATATAGAGAGACTCAAAAGCTGTCCCA	913
QY	980	CAGTGACAAACTTCTTCCACAAAGTCAATACCTTAATATACAAATTTCTTATAGGCA	1039
Db	914	CAGTGACAAACTTCTTCCACAAAGTCAATACCTTAATATACAAATTTCTTATAGGCA	973
QY	1040	AGCAATTCAAACATATGATCTATAGAGGCGCAAAATTCAAACCAACCAAGTTAAACA	1099
Db	974	AGCAATTCAAACATATGATCTATAGAGGCGCAAAACCAATTCAAACCAACAGTTAAACA	1033
QY	1100	TTGCTCTGTGACGCTCTGTGTGGAGGCGCTCTGAGAGTAAAGTAAATTTAGATGA	1159
Db	1034	TTGCTCTGTGACGCTCTGTGTGGAGGCGCTCTGAGAGTAAAGTAAATTTAGATGA	1093
QY	1160	GGCAATCTGTATCAAGTTCAAAAGAACTCAGATGAATGGTCACTGTGATCTTA	1219
Db	1094	GGCAATCTGTATCAAGTTCAAAAGAACTCAGAGTATGATCTCACTGTGATCTTA	1153

CC The invention relates to transmembrane decoy-receptor (tmsr2) proteins
CC and their secreted splice variants, belonging to the tumour necrosis
CC factor (TNF) receptor super gene family and polynucleotides encoding such
CC proteins. The composition and methods are useful in diagnosing, treating
CC and/or ameliorating diseases associated with or resulting from abnormal tmsr2
CC and/or abnormal expression of its putative ligand, such as sepsis,
CC cachexia, autoimmune diseases, inflammatory diseases, viral, bacterial
CC and parasitic diseases or cancer. They may also be used for chromosome
CC identification or mapping. The invention is useful in gene therapy. The
CC exemplification of the invention
XX Sequence 133 AA:

Query Match 68.8%; Score 748; DB 7; Length 133;
Best Local Similarity 100.0%; Pred. No. 5.9e-54;
Matches 133; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGFCSLVSSLSRFLMRLLLLLLLLPLQVKEAMLEHSKCPAGEWSDVCC 60
DB 1 MEGFCSLVSSLSRFLMRLLLLLLLLPLQVKEAMLEHSKCPAGEWSDVCC 60
QY 61 KNCAGTFVAKPCIEIPHTQGCEKCHPFTFKDNYLDACILCTCDQDQWVADCSATS 120
DB 61 KNCAGTFVAKPCIEIPHTQGCEKCHPFTFKDNYLDACILCTCDQDQWVADCSATS 120
QY 121 DRKCCRTGLYYY 133
DB 121 DRKCCRTGLYYY 133

RESULT 8
ADJ45750
ID ADJ45750 standard; protein; 133 AA.

DT 06-MAY-2004 (first entry)

DE Murine tmsr2 00004-d1 polypeptide.

XX Mouse; tmsr2-receptor; tmsr2 00004-d1;
XX acquired immunodeficiency syndrome; AIDS; anaemia; autoimmune disease;
XX cachexia; cancer; cerebral malaria; diabetes mellitus;
XX disseminated intravascular coagulation; haemorrhagic shock; hepatitis;
XX insulin resistance; leprosy; leukaemia; lymphoma; meningitis;
XX multiple sclerosis; ischaemia; obesity; organ rejection;
XX rheumatoid arthritis; septic shock; stroke;
XX adult respiratory distress syndrome; ARDS; tuberculosis; viral disease;
XX receptor.

OS Mus musculus.

PN US2004018544-A1.

PD 29-JAN-2004.

PF 17-JUL-2003; 2003US-00622407.

PR 09-JUL-1999; 99US-0143063P.

PR 07-JUL-2000; 2000US-00612033.

PA (SARI/) SARIS C.

PI Saris C;

DR MPI: 2004-224390/21.

DR N-PSDB; ADJ45749.

XX Novel tmsr2-receptor polypeptide useful for diagnosing and treating
XX disease e.g., autoimmune disease, cachexia, cancer or viral, bacterial
XX infections.

PS Example 1; SEQ ID NO 6; 57bp; English.

CC The invention relates to a tmsr2-receptor polypeptides and the
CC polynucleotide encoding them. The sequences of the invention are useful
CC for treating diseases and conditions including acquired immunodeficiency
CC syndrome (AIDS), anaemia, autoimmune diseases, cachexia, cancer, cerebral
CC malaria, diabetes mellitus, disseminated intravascular coagulation,
CC haemorrhagic shock, hepatitis, insulin resistance, leprosy, leukaemia,
CC lymphoma, meningitis, multiple sclerosis, ischaemia, obesity, organ
CC rejection, rheumatoid arthritis, septic shock, stroke, adult respiratory
CC distress syndrome (ARDS), tuberculosis and a number of viral diseases.
CC This sequence represents a murine tmsr2-receptor polypeptide clone of the
XX invention.

XX Sequence 133 AA;

Query Match 68.8%; Score 748; DB 8; Length 133;
Best Local Similarity 100.0%; Pred. No. 5.9e-54;
Matches 133; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGFCSLVSSLSRFLMRLLLLLLPLQVKEAMLEHSKCPAGEWSDVCC 60
DB 1 MEGFCSLVSSLSRFLMRLLLLLLPLQVKEAMLEHSKCPAGEWSDVCC 60
QY 61 KNCAGTFVAKPCIEIPHTQGCEKCHPFTFKDNYLDACILCTCDQDQWVADCSATS 120
DB 61 KNCAGTFVAKPCIEIPHTQGCEKCHPFTFKDNYLDACILCTCDQDQWVADCSATS 120
QY 121 DRKCCRTGLYYY 133
DB 121 DRKCCRTGLYYY 133

RESULT 9
AAW80254
ID AAW80254 standard; protein; 176 AA.

XX AAW80254;

DT 28-JAN-1999 (first entry)

DE Amino acid sequence of protein 7F4.

XX Protein. 7F4; differentiation; osteoblast cell; bone growth; bone sarcoma.

OS Undifferentiated.

PH Key

FT Peptide

FT Protein

PN W09843998-A1.

PD 08-OCT-1998.

PF 01-APR-1998; 98WO-IP001511.

PR 01-APR-1997; 97JP-00099653.

PA (CHUG-) CHUGAI RES INST MOLECULAR MEDICINE INC.

PI Kimura N, Toyoshima T;

DR MPI: 1998-568275/48.

DR N-PSDB; AAW8046.

XX Receptor protein inducing differentiation in osteoblast cells - has
XX extracellular region only and can be used for screening substances for
XX treatment of bone growth disorders.

PS Claim 1; Page 23-31; Sipp; Japanese.

XX The present sequence represents a protein designated 7F4. This protein is
 CC capable of inducing differentiation in osteoblast cells. The protein may
 CC be used to screen compounds for the ability to bind to it, for use as
 CC ligands, agonists or antagonists and inhibiting or otherwise altering its
 CC differentiation inducing activity. Compounds so identified, as well as
 CC the protein itself, DNA encoding it, and antibodies to it, may be used in
 CC the treatment of diseases of bone growth and osteoblast differentiation,
 CC such as bone sarcomas

XX Sequence 176 AA;

Query Match 68.7%; Score 746.5; DB 2; Length 176;
 Best Local Similarity 75.1%; Pred. No. 1e-53;
 Matches 142; Conservative 8; Mismatches 22; Indels 17; Gaps 2;

QY 7 SLVSLSRWFLMRLLLLLLLLLLPLQVRFAMLEHFKPKPAGRYWKKVCCCKNSAG 66
 DB 5 SHVSLSHMF-----LLLLLLNLFPLVTFAMPESYSFPCDGEYQNDVCCCKCPG 56
 QY 67 TTVKAPCEIPHTQGQCEKCHPFTETEKONYLDACILSTCDKQDQEWVADCSATSDRKCQC 126
 DB 57 TTVKAPCEIPHTQGQCEKCHPFTETEKONYLDACILSTCDKQDQEWVADCSATSDRKCQC 116
 QY 127 RTGLYYDPKPEPCRPCTKCPGIPVLOECNSTANTVCCSSSVSNPRNRLFLLSPLSVL 186
 DB 117 QIGLYTYDPKPEPCRPCTKCPGIPVLOECNSTANTVCCSSSVSNPRNRLFLLSPLSVL 170
 QY 187 IVSVVVFRI 195
 DB 171 ---LIVFCI 176

RESULT 10

ADFS7551
 ID ADFS7551 standard; protein; 176 AA.

AC ADFS7551;

DT 12-FEB-2004 (first entry)

DB Mouse ymkz5 receptor.

XX Transmembrane decoy receptor; ymkz5; tumour necrosis factor; TNF; tumour;
 KM cancer; acquired immune deficiency syndrome; AIDS; anaemia;
 KM autoimmune disease; cachexia; leprosy; leukaemia; hepatitis;
 KM multiple sclerosis; myocardial ischaemia; obesity; gene therapy; mouse;
 receptor.

XX Mus musculus.

PN US2003096355-A1.

PD 22-MAY-2003.

PF 11-JUL-2002; 2002US-00193616.

PR 09-JUL-1999; 99US-0143137P.

PR 07-JUL-2000; 2000US-00611989.

PA (ZHANG/) ZHANG K.

PI Zhang K;

DR WPI; 2004-008943/01.

DR N-PSDB; ADFS7550.

XX Novel ymkz5-receptor polypeptide useful for treating diseases such as
 PT tumor, cancer, AIDS, anaemia, autoimmune diseases, cachexia, leprosy,
 XX leukemia, hepatitis, multiple sclerosis.

PS Claim 13; SEQ ID NO 8; 57pp; English.

CC The invention relates to transmembrane decoy receptor, ymkz5 belonging to
 CC tumour necrosis factor (TNF) receptor supergene family and nucleic acid
 CC sequences encoding such receptors. The invention is useful for detecting
 CC diseases or susceptibility to diseases related to the presence of mutated
 CC ymkz5-receptor gene such as tumours or cancers. The sequences of the
 CC invention are used as medication for a number of diseases such as
 CC acquired immune deficiency syndrome (AIDS), anaemia, autoimmune diseases,
 CC cachexia, leprosy, leukaemia, hepatitis, multiple sclerosis, myocardial
 CC ischaemia, obesity etc. The invention is also useful in gene therapy. The
 CC present sequence is mouse ymkz5 receptor protein.

XX Sequence 176 AA;

Query Match 68.7%; Score 746.5; DB 8; Length 176;
 Best Local Similarity 75.1%; Pred. No. 1e-53;
 Matches 142; Conservative 8; Mismatches 22; Indels 17; Gaps 2;

QY 7 SLVSLSRWFLMRLLLLLLLLPLQVRFAMLEHFKPKPAGRYWKKVCCCKNSAG 66
 DB 5 SHVSLSHMF-----LLLLLLNLFPLVTFAMPESYSFPCDGEYQNDVCCCKCPG 56
 QY 67 TTVKAPCEIPHTQGQCEKCHPFTETEKONYLDACILSTCDKQDQEWVADCSATSDRKCQC 126
 DB 57 TTVKAPCEIPHTQGQCEKCHPFTETEKONYLDACILSTCDKQDQEWVADCSATSDRKCQC 116
 QY 127 RTGLYYDPKPEPCRPCTKCPGIPVLOECNSTANTVCCSSSVSNPRNRLFLLSPLSVL 186
 DB 117 QIGLYTYDPKPEPCRPCTKCPGIPVLOECNSTANTVCCSSSVSNPRNRLFLLSPLSVL 170
 QY 187 IVSVVVFRI 195
 DB 171 ---LIVFCI 176

RESULT 11

ADM46623
 ID ADM46623 standard; protein; 176 AA.

AC ADM46623;

DT 17-JUN-2004 (first entry)

DB Mouse 7F4 protein.

XX 7F4 gene; Osteopathic; Anorectic; Antidiabetic;
 KM glycolipid metabolism disorder; osteoporosis; obesity; diabetes.
 KM

XX Mus musculus.

PN WO2004026026-A1.

PD 01-APR-2004.

PF 10-SEP-2003; 2003WO-JP011545.

PR 17-SEP-2002; 2002JP-00270321.

PA (CHUS) CHUGAI SEIYAKU KK.

PI Kake T, Saito H, Makishima F;

DR WPI; 2004-340227/31.

DR N-PSDB; ADM46622.

XX Transgenic non-human animal with modified expression of 7F4 gene for
 PT screening remedies for bone or glycolipid metabolism disorders.

PS Claim 3; SEQ ID NO 2; 44p; Japanese.

XX The present invention relates to a transgenic non-human animal having the
 CC expression of 7F4 gene artificially modified. The transgenic animals are
 CC a disease model for bone and glycolipid metabolism disorders. Substances
 CC identified by the screening method are agents for the prevention and

FT	CDS	12..542
FT	sig_peptide	/tag= a
FT		12..95
FT	mat_peptide	/tag= b
FT		96..539
FT		/tag= c
PN	MO9843998-A1.	
PD		
PD	08-OCT-1998.	
PF	01-APR-1998;	98WO-JP001511.
PR	01-APR-1997;	97JP-00099653.
XX	(CHUG-) CHUGAI RES INST MOLECULAR MEDICINE INC.	
XX		
XX	Kimura N, Toyoshima T;	
XX		
XX	WPI, 1998-568275/48.	
XX	P-PSDB; AAW80254.	
PT	Receptor protein inducing differentiation in osteoblast cells - has	
PT	extracellular region only and can be used for screening substances for	
PT	treatment of bone growth disorders.	
XX		
PS	Claim 2; Page 29-31; 51pp; Japanese.	
XX		
XX		
CC	The present sequence encodes a protein designated 7P4. This protein is	
CC	capable of inducing differentiation in osteoblast cells. The protein may	
CC	be used to screen compounds for the ability to bind to it, for use as	
CC	ligands, agonists or antagonists and inhibiting or otherwise altering its	
CC	differentiation inducing activity. Compounds so identified, as well as	
CC	the protein itself, DNA encoding it, and antibodies to it, may be used in	
CC	the treatment of diseases of bone growth and osteoblast differentiation,	
CC	such as bone sarcomas	
XX		
SQ	Sequence 1509 BP; 387 A; 403 C; 294 G; 425 T; 0 U; 0 Other;	
Query Match	53.8%; Score 377.4; DB 2; Length 1509;	
Best Local Similarity	90.7%; Pred. No. 3.4e-98;	
Matches	402; Conservative 0; Mismatches 41; Indels 0; Gaps 0	
QY	81 GCTGCTGCTGCTGCTGCTGCTGAATCTGCCCTTGACAGTAAATTTGCTAGTCTGAAT	140
DB	50 GTTCCTCTTGCTGCTGCTGCTGAATCTGTTTGGCCGTAAATTTGCTAGTCTGAATC	109
QY	141 ACACTCTTCAAAATGTCCTGCTGCTGAATCTGCTTAAAGACGTCTGTTGCAAGACTG	200
DB	110 ATATCTCTTCAACTGCTCCGAAATGGAATCAAGTCTAATGATGCTGTTGCAAGACCTG	169
QY	201 TTCTGCAAGTATCTTTGTCAGAGGCGCCCTGCGAAATCCCCATCTCAAGACAAATGTA	260
DB	170 TCCCTCAAGTATCTTTGTCAGAGGCGCCCTGCGAAATCCCCATCTCAAGACAAATGTA	229
QY	261 GAAGTGTACACCAAGAACATTTACACAGAGAAATATTAATCTGATGCTTGTATATCTTG	320
DB	230 GAAGTGTACACCAAGAACATTTACACAGAGAAATATTAATCTGATGCTTGTATATCTTG	289
QY	321 CTCCACCTGTGATTAAGATCAGAGAAATGTTGCCCATCTGCTCAAGCCACAGTACCGGAA	380
DB	290 CTCCACCTGTGATTAAGACAGAAATATGTTGCTGATCTGTTCTGCAACAGTACCGGAA	349
QY	381 ATGCAAGTCCGACAGAGCTTTATCACTATAGACCAAAATTTCCAGAAATCGTGCCGCC	440
DB	350 ATGCAAGTCCGACAAATATGCTTTATCACTATAGACCAAAATTTCCGAAATCATGCCGCC	409
QY	441 ATGTACCAAGTGTCCCAAGAAATCCCTGTCTCTCAAGAAATCAATCCACAGCTTAAC	500
DB	410 ATGTACCAAGTGTCCCAAGAAATCCCTGTCTCTCAAGAAATCAATCCACAGCTTAAC	469
QY	501 TGTGTGCAAGTGTATCTGTTTCA	523

Df		470	TGTGTCAGTTCATCTTTCA	492
	RESULT 12			
	ADM46622			
ID	ADM46622	standard; DNA;	1509 BP.	
XX				
AC	ADM46622;			
XX				
DT	17-JUN-2004	(first entry)		
XX				
DE	Mouse 7F4 encoding sequence.			
XX				
KM	7F4 gene; Osteopathic; Anorectic; Antidiabetic;			
XX	glycolipid metabolism disorder; osteoporosis; obesity; diabetes; ds.			
OS	Mus musculis.			
PH				
FT	Key	Location/Qualifiers		
CDS		12..542		
	/tag= "a"			
	/product= "7F4"			
XX				
PX	MO2004026026-A1.			
PD				
XZ	01-APR-2004.			
PF	10-SEP-2003; 2003WO-JP011545.			
PR	17-SEP-2002; 2002JP-00270321.			
PA	(CHUS) CHUGAI SEIYAKU KK.			
PI	Kake T, Satto H, Makishima F;			
DR	WPI: 2004-340227/31.			
XX	P-P8DB; ADM46623.			
PT	Transgenic non-human animal with modified expression of 7F4 gene for			
PS	screening remedies for bone or glycolipid metabolism disorders.			
CC	Claim 3; SEQ ID NO 1; 44pp; Japanese.			
CC	The present invention relates to a transgenic non-human animal having the			
CC	expression of 7F4 gene artificially modified. The transgenic animals are			
CC	a disease model for bone and glycolipid metabolism disorders. Substances			
CC	identified by the screening method are agents for the prevention and			
CC	treatment of diseases including osteoporosis, obesity and diabetes. The			
CC	present sequence represents the modified mouse 7F4 encoding sequence.			
SQ	Sequence 1509 BP; 387 A; 403 C; 294 G; 425 T; 0 U; 0 Other;			
Query Match	53.8%; Score 377.4; DB 12; Length 1509;			
Best Local Similarity	90.7%; Pred. No. 3.4e-98;			
Matches 402; Conservative	0; Mismatches 41; Indels 0; Gaps 0			
Oy	81 GCTCGTGCTGGTGCTGAATCTGCCCTGCAGGTAAATTGGTAGTACTGAATT	140		
Dd	50 GTTCTCTGTGGCTGCTGCTGANTCTTCTTGCCGGTAATTTGCTAATCCTGAATC	109		
Oy	141 ACACCTCTTCAATATGTCGCCGCTGTGAATCTGTCTAAGAAGCTGTGTGCAAGAACCTG	200		
Dd	110 ATACTCTTCAAATGTCGCCGATGGAATAACAAGCTAATATGTCTGTGCAAGACCTG	169		
Oy	201 TTCTGCAGATCATTTGTCAAGGGCCCTGGGAATCCCCATTAATCAAGGCAATGTGA	260		
Dd	170 TTCCTCAGATCATTTGTCAAGGGCCCTGGGAATCCCCATTAATCAAGGCAATGTGA	229		
Oy	261 GAAGTGTACCACCAAGAACATTCAAGAAAAGATTAATTAAGTGTGTATCTTTG	320		
Dd	230 GAAGTGTACCACCAAGAACATTCAAGAAAAGATTAATTAAGTGTGTATCTTTG	289		
Oy	321 CTCACCTGTGATTAAGATCAGAAAAATGTGGCCGACTGTTCAGCACCAATGACCGGA	380		

Best Local Similarity 79.9%; Pred. No. 2.1e-50;
Matches 131; Conservative 5; Mismatches 20; Indels 8; Gaps 1;

QY 7 SLVSSLSRWFLMRLLLLLLLLLLPLQYKFAWLRLHSFKPCPAGBYMSKDVCCCKNCAG 66
DB 5 SHVSSLSHMF-----LILLILLPLPVIIFAMPSSYSRNCPSGEYSQSDVCCCKTCSG 56
QY 67 TPVAPCEIPHTOGCEKCHGFTTEKONYLADILCTCDKQEMVADCSATSDRKCQC 126
DB 57 TPVAPCEIPHTOGCEKCHGFTTEKONYLADILCTCDKQEMVADCSATSDRKCQC 116
QY 127 RTGLYYTDPKFPSCRPCTKCPGIPVLQECNSTANTVCSVS 170
DB 117 QIGLYTDPKFPSCRPCTKCPGIPVLQECNSTANTVCSVS 160

RESULT 12
ADM46623
ID ADM46623 standard; protein; 176 AA.

AC ADM46623;
XX 17-JUN-2004 (first entry)
XX Mouse 7F4 protein.
XX 7F4 gene; Osteopathic; Anorectic; Antidiabetic;
XX glycolipid metabolism disorder; osteoporosis; obesity; diabetes.
XX Mus musculus.

XX WO2004026026-A1.
XX 01-APR-2004.
XX 10-SEP-2003; 2003WO-JP011545.
XX 17-SEP-2002; 2002JP-00270321.

XX (CHUGAI SEIYAKU KK.
XX CHUGAI SEIYAKU KK.
XX Kake T, Saito H, Makishima F;
XX WPI, 2004-340227/31.
XX N-PSDB; ADM46622.

Transgenic non-human animal with modified expression of 7F4 gene for
screening remedies for bone or glycolipid metabolism disorders.
Claim 3; SEQ ID NO 2; 44pp; Japanese.

The present invention relates to a transgenic non-human animal having the
expression of 7F4 gene artificially modified. The transgenic animals are
a disease model for bone and glycolipid metabolism disorders. Substances
identified by the screening method are agents for the prevention and
treatment of diseases including osteoporosis, obesity and diabetes. The
present sequence represents the modified mouse 7F4 protein.

SO Sequence 176 AA;

Query Match 69.9%; Score 705; DB 8; Length 176;
Best Local Similarity 79.9%; Pred. No. 2.1e-50;
Matches 131; Conservative 5; Mismatches 20; Indels 8; Gaps 1;

QY 7 SLVSSLSRWFLMRLLLLLLLLPLQYKFAWLRLHSFKPCPAGBYMSKDVCCCKNCAG 66
DB 5 SHVSSLSHMF-----LILLILLPLPVIIFAMPSSYSRNCPSGEYSQSDVCCCKTCSG 56
QY 67 TPVAPCEIPHTOGCEKCHGFTTEKONYLADILCTCDKQEMVADCSATSDRKCQC 126
DB 57 TPVAPCEIPHTOGCEKCHGFTTEKONYLADILCTCDKQEMVADCSATSDRKCQC 116
QY 127 RTGLYYTDPKFPSCRPCTKCPGIPVLQECNSTANTVCSVS 170

DB 117 QIGLYTDPKFPSCRPCTKCPGIPVLQECNSTANTVCSVS 160

RESULT 13
ADM46624
ID ADM46624 standard; protein; 148 AA.

AC ADM46624;
XX 17-JUN-2004 (first entry)
XX Mouse 7F4 protein #2.

XX 7F4 gene; Osteopathic; Anorectic; Antidiabetic;
XX glycolipid metabolism disorder; osteoporosis; obesity; diabetes.

XX Mus musculus.
XX WO2004026026-A1.
XX 01-APR-2004.

XX 10-SEP-2003; 2003WO-JP011545.
XX 17-SEP-2002; 2002JP-00270321.

XX (CHUGAI SEIYAKU KK.
XX CHUGAI SEIYAKU KK.
XX Kake T, Saito H, Makishima F;
XX WPI, 2004-340227/31.

Transgenic non-human animal with modified expression of 7F4 gene for
screening remedies for bone or glycolipid metabolism disorders.

Claim 3; SEQ ID NO 3; 44pp; Japanese.

The present invention relates to a transgenic non-human animal having the
expression of 7F4 gene artificially modified. The transgenic animals are
a disease model for bone and glycolipid metabolism disorders. Substances
identified by the screening method are agents for the prevention and
treatment of diseases including osteoporosis, obesity and diabetes. The
present sequence represents the modified mouse 7F4 protein.

SO Sequence 148 AA;

Query Match 63.6%; Score 641; DB 8; Length 148;
Best Local Similarity 84.8%; Pred. No. 3.3e-45;
Matches 112; Conservative 5; Mismatches 15; Indels 0; Gaps 0;

QY 39 AMLEHSFKPCPAGBYMSKDVCCCKNCAGTPVAPCEIPHTOGCEKCHGFTTEKONYL 98
DB 1 AMPSSYSRNCPSGEYSQSDVCCCKTCSGTPVAPCEIPHTOGCEKCHGFTTEKONGLH 60
QY 99 ACILCTCDKQEMVADCSATSDRKCQCRGTGLYYTDPKFPSCRPCTKCPGIPVLQECN 158
DB 61 DCELCSTCDKQEMVADCSATSDRKCQCRGTGLYYTDPKFPSCRPCTKCPGIPVLQECN 120
QY 159 STANTVCSVS 170
DB 121 STANTVCSVS 132

RESULT 14
ABG09344
ID ABG09344 standard; protein; 380 AA.

AC ABG09344;
XX 13-FEB-2002 (first entry)
XX Novel human diagnostic protein #9335.